



PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

Docket No: Q63079

Seiji UMEMOTO

Appln. No.: 09/781,278

Group Art Unit: 2871

Confirmation No.: 9442

Examiner: Prasad R. AKKAPEDDI

Filed: February 13, 2001

For: REFLECTOR AND LIQUID-CRYSTAL DISPLAY DEVICE

**INFORMATION DISCLOSURE STATEMENT
UNDER 37 C.F.R. §§ 1.97 and 1.98**

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure under 37 C.F.R. § 1.56, Applicant hereby notifies the U.S. Patent and Trademark Office of the documents which are listed on the attached PTO/SB/08 A & B (modified) form and/or listed herein and which the Examiner may deem material to patentability of the claims of the above-identified application.

One copy of each of the listed documents is submitted herewith.

The present Information Disclosure Statement is being filed (without a Statement Under 37 C.F.R. § 1.97(e)) after the later of three months from the application's filing date and the mailing date of the first Office Action on the merits, but before a Final Office Action, Notice of Allowance, or an action that otherwise closes prosecution in the application (whichever is earlier), and therefore a check for the fee of \$180.00 under 37 C.F.R. § 1.17(p) is attached. The

USPTO is directed and authorized to charge all required fees, except for the Issue Fee and the

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Publication Fee, to Deposit Account No. 19-4880. Please also credit any overpayments to said Deposit Account. A duplicate copy of this paper is attached.

English language abstracts are being submitted herewith for all foreign language documents.

The submission of the listed documents is not intended as an admission that any such document constitutes prior art against the claims of the present application. Applicant does not waive any right to take any action that would be appropriate to antedate or otherwise remove any listed document as a competent reference against the claims of the present application.

Respectfully submitted,



Ellen R. Smith
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Date: August 1, 2003

Attorney Docket No.: Q63079

Substitute for Form 1449 A & B/PTO

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

(use as many sheets as necessary)

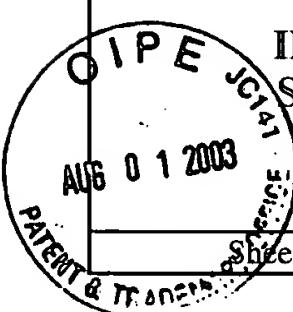
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Complete if Known	
Application Number	09/781,278
Confirmation Number	9442
Filing Date	February 13, 2001
First Named Inventor	Seiji UMEMOTO
Art Unit	2871
Examiner Name	Prasad R. AKKAPEDDI
Attorney Docket Number	Q63079



U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Number	Kind Code ² (if known)		
		US 5,183,597		02-02-1993	LU
		US 5,341,231		08-23-1994	YAMAMOTO et al.
		US 5,390,276		02-14-1995	TAI et al.
		US 5,461,547		10-24-1995	CIUPKE et al.
		US 5,485,291		01-16-1996	QIAO et al.
		US 5,584,556		12-17-1996	YOKOYAMA et al.
		US 5,671,994		09-30-1997	TAI et al.
		US 5,712,694		01-27-1998	TAIRA et al.
		US 5,727,107		03-10-1998	UMEMOTO et al.
		US 5,808,713		09-15-1998	BROER et al.
		US 5,897,184		04-27-1999	EICHENLAUB et al.
		US 5,945,209		08-31-1999	OKAZAKI et al.
		US 5,961,198		10-05-1999	HIRA et al.
		US 5,999,685		12-07-1999	GOTO et al.

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FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Translation ⁶
		Country Code ³	Number ⁴	Kind Code ⁵ (if known)			
		JP	9297222		11-18-1997	UMEMOTO et al.	Abstract
		JP	2000147499		05-26-2000	SHINICHI et al.	Abstract
		JP	11142618		05-28-1999	ISHIMARU	Abstract
		JP	10106328		04-24-1998	UMEMOTO	Abstract
		WO	97/47467		12-18-1997	MORTAZAVI et al.	
		WO	97/30373		08-21-1997	JANSSON et al.	
		WO	97/01610		01-16-1997	GOETZ et al.	
		EP	0 867 747	A2	09-30-1998	YANG et al.	

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city, and/or country where published.	Translation ⁶

Examiner Signature	Date Considered

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		Number	Kind Code ² (if known)		
		US 6,044,196		03-28-2000	WINSTON et al.
		US 6,060,183		05-09-2000	HIGASHI et al.
		US 6,147,732		11-14-2000	AOYAMA et al.
		US 6,196,692		03-06-2001	UMEMOTO et al.
		US 6,236,439		05-22-2001	SAIKI et al.
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		US 6,369,950		04-09-2002	UMEMOTO
		US 6,384,881		05-07-2002	ARAI et al.
		US 2001/0010630	A1	08-02-2001	UMEMOTO
		US 2001/0011779	A1	08-09-2001	STOVER
		US 2001/0012158	A1	08-09-2001	UMEMOTO et al.
		US 2001-0012159	A1	08-09-2001	UMEMOTO et al.

FOREIGN PATENT DOCUMENTS

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